

## CLAIMS

- 1    1.    An integrated security system operating over a network comprising:  
2            a network security controller coupled to the network comprising:  
3                    a relational database including portal objects and related resources  
4    represented in at least one table in the relational database;  
5            at least one network node comprising:  
6                    a local database coupled to the network adapted to receive  
7    predetermined resource information from the relational database;  
8                    an event generator coupled to the local database to provide at least  
9    one portal event in response to the predetermined resource information received by  
10   the local database; and  
11                    a finite state portal controller coupled to the network and the event  
12   generator for providing at least one of an action and a global event in response to  
13   the at least one portal event.
- 1    2.    The system of Claim 1 wherein the event generator comprises a protocol  
2    normalizer.
- 1    3.    The system of Claim 2 wherein the event generator further comprises a data  
2    stream converter coupled to the protocol normalizer adapted to receive data from a  
3    field device.
- 1    4.    The system of Claim 3 wherein the field device is at least one of:  
2            a reader module;  
3            an input module;  
4            an output module;  
5            a communications module and  
6            a panel.

- 1    5.    The system of Claim 1 wherein the event generator comprises:  
2            a supervision controller;  
3            an I/O controller coupled to the supervision controller and adapted to  
4            receive signals from at least one of:  
5            an input extension;  
6            an output extension;  
7            a temperature extension; and  
8            an access extension.
- 1    6.    The system of Claim 1 further comprising a network node controller coupled to  
2            the database and coupled to the at least one network node.
- 1    7.    The system of Claim 1 wherein the network security controller further  
2            comprises an extensible markup language generator and the at least one network  
3            node local database downloads an extensible markup language representation of the  
4            predetermined resource information.
- 1    8.    The system of Claim 7 wherein the extensible markup language representation  
2            comprises XML.
- 1    9.    The system of Claim 1 wherein the at least one global event is represented using  
2            an extensible markup language representation.
- 1    10.   The system of Claim 9 wherein the extensible markup language representation  
2            comprises XML.
- 1    11.   The system of Claim 1 wherein the network security controller further  
2            comprises a web server coupled to the network and the database to provide at least

3 one user interface to the integrated security system in at least one browser.

1 12. A method to normalize an access control event comprising:  
2 converting a field device signal representing the access control event to a  
3 data stream;  
4 normalizing the data stream to provide at least one portal event; and  
5 processing the at least one portal event in a finite state portal controller to  
6 provide at least one of a local action and a global event.

1 13. The method of Claim 12 further comprising:  
2 storing predetermined resource information from at least one resource table of a  
3 relational database in a local database; and  
4 wherein normalizing the data stream comprises mapping the field device signal to  
5 the at least one portal event using the stored predetermined resource information.

1 14. The method of Claim 13 further comprising using an extensible markup language  
2 representation for the predetermined resource information.

1 15. The method of Claim 13 wherein mapping the field device signal comprises at  
2 least one of:  
3 detecting a state change in the field device signal to provide a portal event; and  
4 translating the field device signal to provide a portal event.

1 16. The method of Claim 12 further comprising processing the at least one local  
2 action in response to determining that the field is a module.

1 17. A method to process an access control event from an application extension  
2 comprising:

3 supervising the application extension to provide at least one portal event; and  
4 processing the at least one portal event in a finite state portal controller to  
5 provide at least one of a local action and a global event.

1 18. The method of Claim17 further comprising:  
2 storing predetermined resource information from at least one resource table of a  
3 relational database in a local database; and  
4 mapping an application extension state change signal to provide the at least one  
5 portal event.

1 19. The method of Claim18 further comprising using an extensible markup language  
2 representation for the predetermined resource information.

1 20. The method of Claim18 further comprising:  
2 receiving a command;  
3 mapping the command using the predetermined resource information to provide a  
4 command portal event;  
5 processing the command portal event in the finite state portal controller to  
6 provide at least one local action; and  
7 converting the local action into a local action field device signal directed to a  
8 selected application extension.